

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Mailed: August 21, 2007

Signature:

(Rebecca Butler Guinan)

Docket No.: 68349-00026USPX  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In Patent Application of:  
Jordi Soler Castany et al.

Application No.: 10/587,119 ✓

Confirmation No.: 3122

Filed: July 21, 2006

Art Unit: 2821

For: MULTI-BAND MONOPOLE ANTENNAS  
FOR MOBILE NETWORK  
COMMUNICATIONS DEVICES

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08 (facsimile). It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

Applicant has not submitted copies of each cited U.S. patent and U.S. patent application in accordance with 37 CFR 1.98(a)(2). Applicant submits herewith copies of any cited non-patent documents and foreign patent documents in accordance with 37 CFR 1.98(a)(2).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure Statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 23-2426, under Order No. 68349-00026USPX. A duplicate copy of this paper is enclosed.

Dated: August 21, 2007

Respectfully submitted,

By 

Shoaib A. Mithani

Registration No.: L0067

WINSTEAD PC

P.O. Box 50784

Dallas, Texas 75201

(214) 745-5400

Attorneys For Applicant

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10587119
Filing Date	2006-07-21
First Named Inventor	JORDI SOLER CASTANY
Art Unit	2821
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	68349-00026USPX

**U.S.PATENTS**

Examiner Initial*	Cite No	Patent Number	Kind Code <sup>1</sup>	Issue Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	7068230	B2	2006-06-27	QI	
	2	7148849	B2	2006-12-12	LIN	
	3	7057560	B2	2006-06-06	ERKICEVIC	
	4	6683571	B2	2004-01-27	GHOSH	
	5	6806834	B2	2004-10-19	YOON	

If you wish to add additional U.S. Patent citation information please click the Add button.

**U.S.PATENT APPLICATION PUBLICATIONS**

Examiner Initial*	Cite No	Publication Number	Kind Code <sup>1</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages,Columns,Lines where Relevant Passages or Relevant Figures Appear
	1	20060033668	A1	2006-02-16	RYU	

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10587119
Filing Date	2006-07-21
First Named Inventor	JORDI SOLER CASTANY
Art Unit	2821
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	68349-00026USPX

2	20050237244	A1	2005-10-27	ANNABI	
3	20040212545	A1	2004-10-28	LI	
4	20060082504	A1	2006-04-20	CHEN	
5	20040090372	A1	2004-05-13	NALLO	
6	20040140938	A1	2004-07-22	KADAMBI	
7	20050007279	A1	2005-01-13	CHANG	
8	20030122718	A1	2003-07-03	FANG	

If you wish to add additional U.S. Published Application citation information please click the Add button.

**FOREIGN PATENT DOCUMENTS**

Examiner Initial*	Cite No	Foreign Document Number <sup>3</sup>	Country Code <sup>2</sup>	Kind Code <sup>4</sup>	Publication Date	Name of Patentee or Applicant of cited Document	Pages, Columns, Lines where Relevant Passages or Relevant Figures Appear	T <sup>5</sup>
	1	2005076407	WO	A2	2005-08-18	FRACTUS SA		<input type="checkbox"/>
	2	1294048	EP	A2	2003-03-19	KABUSHIKI KAISHA TOSHIBA MINATO-KU		<input type="checkbox"/>

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number		10587119
Filing Date		2006-07-21
First Named Inventor	JORDI SOLER CASTANY	
Art Unit	2821	
Examiner Name	NOT YET ASSIGNED	
Attorney Docket Number	68349-00026USPX	

3	2005099041	WO	A1	2005-10-20	KONINKLIJKE PHILIPS ELECTRONICS NV	<input type="checkbox"/>
4	02052679	WO	A1	2002-07-04	RANGESTAR WIRELESS, INC	<input type="checkbox"/>
5	2004047222	WO	A1	2004-06-03	ETHERTRONICS	<input type="checkbox"/>
6	2005093901	WO	A1	2005-10-06	INTERNATIONAL BUSSINESS MACHINES CORPORATION	<input type="checkbox"/>

If you wish to add additional Foreign Patent Document citation information please click the Add button

**NON-PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, pages(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>5</sup>
	1	SOLER CASTANY, Novel multifrequency and small monopole antenna techniques for wireless and mobile applications [DoctoralTesis], Universitat Politècnica de Catalunya, Fractus, Dec. 2004	<input type="checkbox"/>
	2	WU et al. A planar meander-line antenna for triple-band operation of mobile handsets, Microwave Optical Technology Letters, June 2004, Vol. 41, Num. 5	<input type="checkbox"/>
	3	CHO et al. A wideband internal antenna with dual monopole radiation elements, IEEE Antennas and Wireless Propagation Letters, 2005, Vol. 4	<input type="checkbox"/>
	4	SHIN, A broadband interior antenna of planar monopole type in handsets, IEEE Antennas and Wireless Propagation Letters, 2005, Vol. 4	<input type="checkbox"/>
	5	WONG, Planar antennas for wireless communications, Wiley-Interscience, 2003	<input type="checkbox"/>

If you wish to add additional non-patent literature document citation information please click the Add button

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
( Not for submission under 37 CFR 1.99)

Application Number	10587119
Filing Date	2006-07-21
First Named Inventor	JORDI SOLER CASTANY
Art Unit	2821
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	68349-00026USPX

**EXAMINER SIGNATURE**

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through a citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> See Kind Codes of USPTO Patent Documents at [www.USPTO.GOV](http://www.USPTO.GOV) or MPEP 901.04. <sup>2</sup> Enter office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>3</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>4</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>5</sup> Applicant is to place a check mark here if English language translation is attached.